



January 1996 Time Local/ Path Length Path Number of Estimated Width Damage Persons

### **ILLINOIS, South**

ILZ075-080>082-084>086- Jefferson - Perry - Franklin - Hamilton - Jackson - Williamson - Saline - Union - Johnson - Pope - Hardin - Alexander -088>094

> 1000CST Winter Storm 2300CST

A major winter storm affected parts of southern Illinois. Snowfall amounts increased from south to north, with up to 8 inches reported at Mount Vernon. Warmer temperatures closer to the Kentucky border resulted in a mixture of precipitation types. Only an inch of snow was measured in northern Pope County, less than 20 miles from the Ohio River. Benton reported 5 inches, Anna had 3 inches, and Pinckneyville reported 4 inches. In the most affected areas, including Mount Vernon, hotels were booked with holiday travelers seeking to avoid dangerous travel conditions. In Jefferson County alone, 36 weather-related accidents occurred, none with serious injuries. A school bus carrying 30 students slid into a ditch, but nobody was hurt. Most schools cancelled classes the following day. Gusty winds and very cold temperatures hampered snow removal efforts. Winds gusted to 25 MPH with temperatures in the teens.

088>094

ILZ075-080>082-084>086- Jefferson - Perry - Franklin - Hamilton - Jackson - Williamson - Saline - Union - Johnson - Pope - Hardin - Alexander -Pulaski - Massac

> 0400CST 0 0 Winter Storm 06

A moderate snowfall, averaging 3 to 4 inches, affected all of southern Illinois. Strong gusty winds piled the dry, powdery snow into waist-high drifts in some spots. This contributed to dozens of auto accidents, including a van that slid into a guard rail on Interstate 57 near Mount Vernon. Several people were injured in this mishap. A man in Benton suffered a fatal heart attack while he was shovelling snow. Five people were treated for slip-and-fall injuries, including three fractures. The deep drifts were over car roofs in open farm country of one southeast Illinois county. Several vehicles became stuck. State Highway 161 was reduced to one lane of travel in spots due to drifts.

### **KENTUCKY**, Southwest

KYZ001>013

Fulton - Hickman - Carlisle - Ballard - Mccracken - Graves - Livingston - Marshall - Calloway - Crittenden - Lyon - Trigg -Caldwell

06

A weekend snowstorm dumped from 3 to 6 inches over far western Kentucky. The lightest amounts, near 3 inches, were west of Paducah. Amounts increased toward the east and south, with 6 inches measured at Princeton, Fulton, Murray, and Mayfield. Paducah reported 4 inches of dry powdery snow. Strong gusty north winds up to 30 MPH piled the snow into deep drifts. A few rural roads drifted shut in spots. In Trigg County, snow removal equipment got stuck several times in waist-high drifts. In Crittenden County, the rescue squad freed a family whose vehicle was stranded in snow drifts for three hours. Drifts up to 3 feet deep occurred in Graves County. The Kentucky State Police handled 74 accidents over the weekend in far western Kentucky. Road crews were hampered by strong winds causing blowing and drifting of the snow. Salt was relatively ineffective due to frigid temperatures in the single digits at night. Most schools remained closed until Wednesday or Thursday following the weekend storm. On the evening prior to this snowstorm, a dusting of snow caused icy patches on Interstate 24. The result was 20 accidents on the interstate alone, including a fatality near Eddyville. The fatality involved a Japanese woman whose vehicle struck a state police cruiser at the scene of a different accident.





Time Path Path Number of Estimated Local/ Length Width Persons Damage
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

## MISSOURI, Southeast

MOZ076-086>087-100-107>111 Perry - Bollinger - Cape Girardeau - Wayne - Carter - Ripley - Butler - Stoddard - Scott

A mixture of winter precipitation types over southeast Missouri resulted in very hazardous driving conditions. Snowfall amounts increased from southeast to northwest, with amounts up to 6 inches over parts of Bollinger and Carter Counties. Southeast of there, only 2 to 3 inches fell from Cape Girardeau to Bloomfield. Many schools dismissed early as road conditions deteriorated. Numerous accidents occurred, but no serious injuries were reported. This part of Missouri escaped a more serious snowfall that affected areas further north.





March 1996 Time Local/ Path Length Path Number of Estimated Width Persons Damage

**ILLINOIS, South** 

ILZ076>078-083-087

Wayne - Edwards - Wabash - White - Gallatin

1000CST 0100CST 0 0

Winter Storm

Between 6 and 12 inches of heavy wet snow fell in extreme southeast Illinois near the Indiana border. The worst conditions occurred in Wabash, Wayne, and Edwards Counties, where nearly a foot of snow was blown into drifts up to 6 feet deep. Many roads, especially county roads, either drifted shut or were blocked by abandoned vehicles. Snow removal equipment such as road graders became stuck in a few cases. The American Red Cross set up shelters for snowbound residents and motorists. About eight motorists spent several hours stranded in deep snowdrifts on Route 1 near Mt. Carmel.

## **INDIANA**, Southwest

INZ081>082-085>088

Gibson - Pike - Posey - Vanderburgh - Warrick - Spencer

Winter Storm 0

A state of emergency was declared in the six southwestern Indiana counties. Snowfall accumulations were near a foot, but strong winds created many drifts 4 to 5 feet deep. The heavy wet snow combined with strong winds brought down many tree limbs and power lines. Visibility became so poor that some county highway crews were called off the job. Emergency shelters were set up for people without heat or electricity. Power outages were widespread during the storm. The National Guard was mobilized to help rescue families stranded on impassable roads. Even some National Guard humvee vehicles became stuck in snow drifts up to 6 feet deep. Nearly a dozen school busses were stranded in ditches after students were released from school early. Numerous secondary roads and a few state roads were impassable for one to three days. Front end loaders and bulldozers were used to clear roads of downed trees, deep snow drifts, and abandoned vehicles.

### **KENTUCKY**, Southwest

KYZ010-012>022

Crittenden - Trigg - Caldwell - Union - Webster - Hopkins - Christian - Henderson - Daviess - Mclean - Muhlenberg - Todd

Heavy wet snow and strong winds brought down tree limbs and power lines. Snowfall accumulations were between 8 and 12 inches in a band from Hopkinsville north through Madisonville to Owensboro and Henderson. Four or more inches of snow fell east of Kentucky Lake. Drifts to 3 or 4 feet were common, with up to 6 foot drifts in the Henderson and Owensboro areas. Several counties declared states of emergency, including Henderson and Daviess Counties. Emergency shelters were opened due to widespread power outages and loss of heat. National Guard troops in all-terrain vehicles were called to rescue snowbound people in remote areas. Many roads, especially county roads, were impassable due to abandoned vehicles, deep drifts, or downed tree limbs. Over 150 vehicles were abandoned in Daviess County alone. Power was fully restored and emergency shelters were closed about 3 to 4 days after the storm.



Time Local/ Path Length

# National Weather Service Storm Data and Unusual Weather Phenomena

Number of

Persons

Estimated

Damage

Path

Width



December 1996

**ILLINOIS**, South ILZ075>077-080>082-Jefferson - Wayne - Edwards - Perry - Franklin - Hamilton - Jackson - Williamson - Saline - Union 084>086-088 16 0300CST Winter Storm 1000CST A narrow band of heavy snow, only about 25 miles wide, extended from Carbondale northeastward through Mt. Vernon. Maximum totals in this band were from 5 to 7 inches, including 5 inches at Carbondale and 7 inches in northwest Hamilton County. The surprise snowstorm gave thousands of students the day off from school. Numerous vehicles slid off roads, but no injuries or major damage was reported. Local hardware stores quickly sold out of winter supplies. The storm began as rain, then changed briefly to sleet and freezing rain before turning to heavy snow. ILZ077>078-083-086>087- Edwards - Wabash - White - Saline - Gallatin - Pope - Hardin - Massac 090>091-094 1930CST 0200CST Winter Storm Rain changed to snow early in the evening. Rainwater on roadways froze to an icy glaze as 1 to 2 inches of snow fell on top of it. Numerous vehicle accidents resulted from the hazardous road conditions. INDIANA, Southwest INZ081>082-085>087 Gibson - Pike - Posey - Vanderburgh - Warrick 2000CST 0200CST Winter Storm Rain changed to snow across southwest Indiana and accumulated 1 to 3 inches. No major problems were reported. Slick roads contributed to a rash of vehicle accidents. **KENTUCKY**, Southwest KYZ002>005-007>008-Hickman - Carlisle - Ballard - Mccracken - Livingston - Marshall - Crittenden - Lyon - Caldwell - Union - Webster -010>011-013>015-018 Henderson Winter Storm 0200CST Rain changed to snow across the lower Ohio River Valley west of Owensboro early in the evening. Rainwater on road surfaces became an icy glaze as 1 to 2 inches of snow fell over it. Numerous vehicle accidents occurred, including at least two with injuries. Most of the injuries were minor, except for one person seriously injured in a crash in eastern Ballard County. In McCracken County alone, 35 weather-related accidents occurred, with only 3 minor injuries. At least 10 accidents occurred in nearby Ballard County. MISSOURI, Southeast MOZ076-086>087-100-Perry - Bollinger - Cape Girardeau - Wayne - Butler - Stoddard - Scott 109>111 16 0200CST 0 Winter Storm A narrow band of heavy snow, only about 25 miles wide, extended from Poplar Bluff northeast through Cape Girardeau. The

period of sleet and freezing rain before turning to heavy snow.

heaviest totals were near 6 inches across Cape Girardeau and Bollinger Counties. Poplar Bluff reported 3 inches. The surprise snow gave most students a day off from school. Numerous traffic mishaps were reported. The storm began as rain, which changed to a





Winter Storm

	Time Local/	Path Length	Path Width		Number of Persons		nated mage		January 1997
Location Da	te Standar	1 (Miles)	(Yards)	Killed	Injured	Property	Crops	Character of Storm	

#### **ILLINOIS**, South

ILZ075>078-080>094

Jefferson - Wayne - Edwards - Wabash - Perry - Franklin - Hamilton - White - Jackson - Williamson - Saline - Gallatin - Union - Johnson - Pope - Hardin - Alexander - Pulaski - Massac

Onion - Johnson - Pope - Harum - Alexander - Pulaski - Massa

0200CST

A low pressure system moved northeast across the Tennessee River Valley, producing up to 7 inches of snow in southern Illinois. Generally 5 or 6 inches fell north of Marion and Carbondale to Mt. Vernon and Fairfield. South of the Marion-Carbondale area and in the Wabash River Valley, snowfall amounts were 3 to 4 inches. Most schools closed due to the storm.

## **INDIANA**, Southwest

INZ081>082-085>088

Gibson - Pike - Posey - Vanderburgh - Warrick - Spencer

08 1800CST 0 0 Winter Storm 09 0500CST

A low pressure system moved northeast across the Tennessee River Valley, producing 3 to 4 inches of snow across southwest

## **KENTUCKY**, Southwest

KYZ001>022

Fulton - Hickman - Carlisle - Ballard - Mccracken - Graves - Livingston - Marshall - Calloway - Crittenden - Lyon - Trigg - Caldwell - Union - Webster - Hopkins - Christian - Henderson - Daviess - Mclean - Muhlenberg - Todd

08 1500CST 0 0 Winter Storm 09 0300CST

A winter storm produced about 4 inches of snow in far western Kentucky, west of a line from Murray to Madisonville. Further east, from Owensboro to Murray, a mix of sleet and freezing rain limited accumulations to 1 to 3 inches. In the Hopkinsville area, mainly ice was reported, causing significant glazing of trees and power lines. In some counties, such as Union County, schools were closed for several days following the storm. No serious injuries were reported in weather-related accidents. A jackknifed tractor-trailer rig closed the Purchase Parkway for four hours. Snow-slickened highways were a factor in two fatal traffic accidents. A woman was killed in a wreck in Caldwell County, and another woman died in a Graves County crash.

### MISSOURI, Southeast

MOZ076-086>087-100-107>112-114 Perry - Bollinger - Cape Girardeau - Wayne - Carter - Ripley - Butler - Stoddard - Scott - Mississippi - New Madrid

08 1300CST 0 0 Winter Storm

A low pressure system that moved northeast across the Tennessee River Valley produced 4 to 7 inches of snow across southeast Missouri. Generally 5 or 6 inches fell, with the exception of New Madrid and Mississippi Counties, where a little sleet limited totals to 4 inches. Most schools closed due to the storm. Treacherous road conditions were blamed for numerous vehicle accidents. Two fatal weather-related traffic accidents occurred in southeast Missouri. One teenage female was killed in an accident in Bollinger County. A 53-year-old female was killed in an accident in Butler County.





February 1997 Time Local/ Path Length Path Width Number of Estimated Persons Damage **ILLINOIS**, South **ILZ075** Jefferson 1800CST 0300CST 0 0 Winter Storm Accumulations ranged from less than an inch around Mt. Vernon to almost 3 inches at Golconda, on the Ohio River. Some of the wet snow melted on contact with warmer road surfaces. ILZ084 Jackson 0600CST 0 13 Winter Storm Snow accumulated an inch or two across far southern Illinois from Carbondale south and east. The snow was mixed with sleet and rain for a brief time. INDIANA, Southwest INZ081 Gibson 1900CST 0 Winter Storm Accumulations ranged from 1 to 3 inches. Some of the heavy wet snow melted on contact with road surfaces. **KENTUCKY**, Southwest KYZ001 **Fulton** 0 1700CST 0300CST Winter Storm Snowfall ranged from just under 2 inches along the Tennessee border to almost 5 inches in the hillier terrain of Crittenden County. The precipitation began as a mixture of rain and snow, but quickly changed to snow. Some of the snow melted on contact with road surfaces. KYZ001 **Fulton** 13 0700CST 0 0 Winter Storm 1300CST Snow accumulations ranged from an inch at Henderson and Kentucky Lake to 3 inches along the Mississippi River. The snow was briefly mixed with rain and sleet. MISSOURI, Southeast Perry **MOZ076** 07 08 2200CST 0 Winter Storm Snowfall amounts ranged from 2 to 4 inches. The precipitation began as a mixture of rain and snow late on the afternoon of the 7th, but quickly changed to snow. Some of the heavy wet snow melted on contact with warmer road surfaces. **MOZ076** Perry 0600CST 1200CST 0 Winter Storm

mixed with the snow.

Snowfall amounts ranged from an inch at Cape Girardeau to near 4 inches from Poplar Bluff to New Madrid. Sleet and rain briefly





Time Local/ Length Width Persons Damage
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

## **ILLINOIS, South**

ILZ075 Jefferson

The first winter storm of the season affected a very small portion of southern Illinois, mainly around Mt. Vernon. A mixture of rain, snow, and sleet changed to all snow. Accumulations of 4 to 5 inches occurred in much of Jefferson County, including Mount Vernon. Due to warm ground temperatures, most of the accumulation was on grassy areas, except for some slush on side roads. Further south, minor icing occurred in the Marion-Carbondale area, but warm ground temperatures kept roads wet.





Time Path Path Number of Estimated December 2000
Local/ Length Width Persons Damage
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

**ILLINOIS, South** 

ILZ075>078-080>094

Jefferson - Wayne - Edwards - Wabash - Perry - Franklin - Hamilton - White - Jackson - Williamson - Saline - Gallatin - Union - Johnson - Pope - Hardin - Alexander - Pulaski - Massac

13 0800CST 0 0 Winter Storm 1900CST

A major winter storm produced 4 to 7 inches of snow across southern Illinois, followed by 1/4 to 1/2 inch of ice. The snow began during the early morning hours, falling at rates near one inch per hour. By midday, the snow changed to freezing rain after a brief period of sleet. Light to occasionally moderate freezing rain fell during the afternoon and early evening hours. The heavy precipitation was caused by a strong upper level disturbance that tracked east-northeast from the southern Rockies, across the southern Plains, and then over the lower Mississippi Valley. A strong southerly flow of milder air just above ground level was unable to scour out very cold air right at the surface, which produced an extended period of snow and ice. The liquid equivalent of all the frozen and freezing precipitation was between three quarters of an inch and one inch. Numerous accidents occurred, most of which were minor. The most significant accident was at the junction of Interstates 57 and 64 near Mount Vernon, where a jack-knifed semi-trailer held up traffic for more than an hour. Schools were closed for up to a week following the storm, especially in rural counties with limited snow removal resources. Ice on trees and power lines contributed to scattered power outages. Stores quickly sold out of winter goods, such as ice melter and snow shovels.

### **INDIANA**, Southwest

INZ081>082-085>088

Gibson - Pike - Posey - Vanderburgh - Warrick - Spencer

13 1000CST 0 0 Winter Storm 1900CST

A major winter storm produced 3 to 4 inches of snow across southwest Indiana, followed by 1/4 to 1/2 inch of ice. The snow began during the mid to late-morning hours, falling at rates near one inch per hour. During the midday hours, the snow changed to freezing rain after a brief period of sleet. Light to occasionally moderate freezing rain fell during the afternoon and early evening hours. The heavy precipitation was caused by a strong upper level disturbance that tracked east-northeast from the southern Rockies, across the southern Plains, and then over the lower Mississippi Valley. A strong southerly flow of milder air just above ground level was unable to scour out very cold air right at the surface, which produced an extended period of snow and ice. The liquid equivalent of all the frozen and freezing precipitation was between three quarters of an inch and one inch. Numerous accidents occurred, most of which were minor. In Vanderburgh County, including Evansville, police reported more than 50 accidents. Most schools and some businesses were closed by the storm.

### **KENTUCKY**, Southwest

KYZ001>011-013>016-018>020 Fulton - Hickman - Carlisle - Ballard - Mccracken - Graves - Livingston - Marshall - Calloway - Crittenden - Lyon - Caldwell - Union - Webster - Hopkins - Henderson - Daviess - Mclean

A major winter storm produced significant ice accumulations across most of western Kentucky, generally around 1/2 inch thick. The ice was preceded by up to 3 inches of snow. Snow accumulations before the changeover to ice ranged from just a dusting in the Tennessee border counties up to 3 inches along the Ohio River. Owensboro reported only an inch of snow, while Henderson and Paducah received 3 inches. The snow changed to freezing rain after a brief period of sleet. Light to occasionally moderate freezing rain fell during the afternoon and early evening hours. In the Hopkinsville area, temperatures rose above freezing long enough to prevent any significant icing problems there. The heavy precipitation was caused by a strong upper level disturbance that tracked east-northeast from the southern Rockies, across the southern Plains, and then over the lower Mississippi Valley. A strong southerly flow of milder air just above ground level was unable to scour out very cold air right at the surface, which produced an extended period of snow and ice. The liquid equivalent of all the frozen and freezing precipitation was between one half and three quarters of





Time Path Path Number of Estimated December 2000 Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

### **KENTUCKY**, Southwest

an inch. Numerous accidents occurred, most of which were minor. One of the most significant wrecks occurred on the U.S. Highway 41 bridge over the Ohio River, where a car rolled onto its side. Schools were closed for up to a week following the storm, especially in rural counties with limited snow removal resources. Ice on trees and power lines contributed to scattered power outages, especially from the Morganfield area of Union County southwest to the Mayfield and Paducah areas. Stores quickly sold out of winter goods, such as ice melter and snow shovels.

### MISSOURI, Southeast

MOZ076-086>087-100-107>112-114 Perry - Bollinger - Cape Girardeau - Wayne - Carter - Ripley - Butler - Stoddard - Scott - Mississippi - New Madrid

13 0700CST 0 0 Winter Storm 1900CST

A major winter storm produced 2 to 6 inches of snow across southeast Missouri, followed by 1/4 to 1/2 inch of ice. The snow began shortly before sunrise, falling at rates near one inch per hour. Snow accumulations before the changeover to ice ranged from just an inch or two at New Madrid up to 6 inches at Perryville. By midday, the snow changed to freezing rain after a brief period of sleet. Light to occasionally moderate freezing rain fell during the afternoon and early evening hours. The heavy precipitation was caused by a strong upper level disturbance that tracked east-northeast from the southern Rockies, across the southern Plains, and then over the lower Mississippi Valley. A strong southerly flow of milder air just above ground level was unable to scour out very cold air right at the surface, which produced an extended period of snow and ice. The liquid equivalent of all the frozen and freezing precipitation was between three quarters of an inch and one inch. Numerous accidents occurred, most of which were minor. Most schools were closed by the storm. Ice on trees and power lines contributed to scattered power outages, mainly east of the Poplar Bluff area.





Time Path Path Number of Estimated February 2001

Local/ Length Width Persons Damage

Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

### **ILLINOIS**, South

ILZ083>094

White - Jackson - Williamson - Saline - Gallatin - Union - Johnson - Pope - Hardin - Alexander - Pulaski - Massac

21 2000CST 0 0 Winter Storn

Several hours of moderate to heavy sleet and freezing rain occurred, sometimes accompanied by thunder and lightning. The precipitation was mainly in the form of sleet in most areas, with up to an inch of sleet accumulation. In the southernmost tip of Illinois, from Cairo to Metropolis, freezing rain was more prevalent. Freezing rain glazed some surfaces, mainly trees and power lines, with up to one quarter inch of ice. On the day following the storm, numerous schools were closed. The liquid equivalent of the precipitation ranged from one quarter inch at Carbondale to just under an inch over the southern tip of Illinois near Cairc.

## **INDIANA**, Southwest

INZ085>088

Posey - Vanderburgh - Warrick - Spencer

22 <u>0100CST</u> 0 0 Winter Storm

Several hours of moderate sleet and snow occurred, sometimes accompanied by thunder and lightning. The sleet accumulated to a depth of one inch. The liquid equivalent of the precipitation was 0.25 inch at Evansville.

## **KENTUCKY**, Southwest

KYZ003>005-007- Carlisle - Ballard - Mccracken - 010>011-013>016-018>021 Daviess - Mclean - Muhlenberg

Carlisle - Ballard - Mccracken - Livingston - Crittenden - Lyon - Caldwell - Union - Webster - Hopkins - Henderson -

Daviess - Miclean - Municiperg



The morning after the storm, around one quarter inch of ice was on trees outside the Paducah National Weather Service office.

Several hours of moderate to heavy sleet and freezing rain occurred, sometimes accompanied by thunder and lightning. The sleet accumulated up to a depth of one inch. Freezing rain glazed some surfaces, mainly trees and power lines, with up to one quarter inch of ice. Some icy patches formed on roads, causing a number of accidents. In a 10-minute span, Paducah area police dealt with three wrecks without injuries, including a three-vehicle pileup on Interstate 24 near mile marker 4. Schools were closed in Webster County the day following the storm. The liquid equivalent of the precipitation was just under an inch at Paducah, and around a quarter inch at Henderson.





Time Path Path Number of Estimated February 2001
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

## MISSOURI, Southeast

MOZ076-086>087-100-107>111 Perry - Bollinger - Cape Girardeau - Wayne - Carter - Ripley - Butler - Stoddard - Scott

21 2000CST 0 0 Winter Storm 2300CST

Several hours of moderate to heavy sleet and freezing rain occurred, sometimes accompanied by thunder and lightning. The sleet accumulated to a depth of one inch. Freezing rain glazed some surfaces, mainly trees and power lines, with up to one quarter inch of ice. There were numerous school closings on the day following the storm. The liquid equivalent of the precipitation was just under an inch.





Winter Storm

December 2002 Time Local/ Path Length Path Number of Estimated Width Persons Damage

**ILLINOIS**, South

ILZ075>078-080>094

Jefferson - Wayne - Edwards - Wabash - Perry - Franklin - Hamilton - White - Jackson - Williamson - Saline - Gallatin -Union - Johnson - Pope - Hardin - Alexander - Pulaski - Massac

04 05

0500CST

A major winter storm brought significant snow and ice accumulations to all of southern Illinois. The precipitation was mostly snow, except in counties bordering the Ohio River, where the snow changed to an extended period of freezing rain. Ice accumulations were around one quarter inch from Cairo to Metropolis and Golconda. Snow accumulations across southern Illinois were generally six to eight inches. Freezing rain kept amounts down to near 4 inches in counties bordering the Ohio River. From Pinckneyville and Mount Vernon to the Wabash Valley, the snow fell in two distinct bursts, with two to three inches during the midday hours, followed by another two or three inches during the late night hours. The spotty 8-inch snowfall amounts were reported in a band between Illinois Route 13 and the Shawnee National Forest. Travel was heavily impacted by the winter storm. Numerous vehicle accidents occurred. Schools were closed for the remainder of the week in some counties. The winter storm began during the early morning hours and ended late the following night.

ILZ075>078-080>091

Jefferson - Wayne - Edwards - Wabash - Perry - Franklin - Hamilton - White - Jackson - Williamson - Saline - Gallatin -Union - Johnson - Pope - Hardin

2000CST 1900CST Winter Storm

A winter storm over parts of southern Illinois occurred in two parts. The first round consisted of a band of sleet and snow during the evening of the 23rd. Two to four inches of sleet and snow accumulated in a band from Carbondale to Harrisburg and Carmi. The precipitation was mainly sleet east of the Marion and Carbondale area, where amounts were close to two inches. The second part, on the afternoon of the 24th, consisted of several hours of heavy snow in much the same area. Three to six inches of snow fell along and north of a line from Carbondale to Harrisburg. This brought storm total accumulations to 7 inches in places such as Pinckneyville, Murphysboro, and West Frankfort. The snowfall diminished rapidly to the south, with only a dusting along the Ohio River between Cairo, IL and Paducah, KY. On the south side of the heavy snow area, significant ice accumulations occurred over much of the Shawnee National Forest region, roughly along the Illinois Route 146 corridor from Anna to Golconda. About one quarter inch of ice glazed trees, wires, and fences. Numerous accidents were reported throughout southern Illinois. Saline County officials received 32 calls for emergency assistance, mostly due to vehicles in ditches. A few serious accidents with injuries occurred. A rollover accident on Route 145 injured four people.

## INDIANA, Southwest

INZ081>082-085>088

Gibson - Pike - Posey - Vanderburgh - Warrick - Spencer

Winter Storm

A winter storm brought significant snow and ice accumulations to southwest Indiana. The precipitation type was mostly snow, but the counties bordering the Ohio River received a significant period of freezing rain and sleet. Around one quarter inch of ice accumulated from Evansville east to Boonville and Rockport. Snow accumulations ranged from 2 to 5 inches. A total of 2.5 inches was measured at the Evansville airport. North of Interstate 64, the snow fell in two distinct periods, with a couple of inches during the midday hours and another couple of inches late at night. Travel was heavily impacted by the winter storm. Numerous vehicle accidents occurred, including 25 in the city of Evansville alone. Schools and some businesses were closed. The winter storm began during the morning hours and ended late the following night.





Time Path Path Number of Estimated December 2002
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

**INDIANA**, Southwest

INZ081>082-085>088

Gibson - Pike - Posey - Vanderburgh - Warrick - Spencer

23 2200CST 24 1900CST

0

Winter Storm

About two inches of sleet, mixed with some snow, fell south of Interstate 64 during the night of the 23rd. Only an inch or less fell north of the interstate. During the late afternoon and evening of Christmas Eve, an additional 3 inches of snow fell over most of southwest Indiana, except only around an inch in some places along the Ohio River. Emergency officials reported numerous minor accidents and vehicles sliding off roads on Christmas Eve.

## **KENTUCKY**, Southwest

KYZ001>022

Fulton - Hickman - Carlisle - Ballard - Mccracken - Graves - Livingston - Marshall - Calloway - Crittenden - Lyon - Trigg - Caldwell - Union - Webster - Hopkins - Christian - Henderson - Daviess - Mclean - Muhlenberg - Todd

04 0800CST 0 0 Winter Storm 05 0200CST

A major winter storm brought significant snow and ice accumulations to all of western Kentucky. The precipitation type ranged from mostly freezing rain along the Tennessee border to mostly snow at Henderson and Owensboro. Ice accumulations in some of the Tennessee border counties were between one and two inches, causing widespread power outages and downed tree limbs. Further north, places from Paducah to Madisonville received several inches of snow, topped by around one half inch of ice accumulation. Northernmost counties, including the Owensboro and Henderson areas, received about 4 inches of snow and one quarter inch of ice. Schools were closed for the remainder of the week. Travel was heavily impacted by the winter storm. Hundreds of vehicle accidents occurred, including a couple with fatalities (indirect storm fatalities). One man was killed when his vehicle crossed the median and hit a semi on the Pennyrile Parkway near the Henderson/Webster County line. Two men were killed when their van overturned on Interstate 24 at the U.S. 45 interchange near Paducah. In the Tennessee border area, especially Fulton, Hickman, Carlisle, southern Graves, and southern Marshall Counties, power was not fully restored for four days. Carlisle County officials estimated 80 percent of the county was without power. Several counties established shelters for those without power. A local utility company reported this was the worst ice storm since 1983, with thousands of downed trees and limbs. Many of the tree limbs landed across roadways. A large tree limb fell through a house in Mayfield, causing damage to a bedroom. The winter storm began during the early morning hours and ended late the following night.

KYZ014-018

Union - Henderson

23 2200CST 24 2000CST 0

Winter Storm

On the night of the 23rd, a band of heavy sleet mixed with some snow occurred near the Indiana state line. About two inches of sleet was reported from the Henderson area west across Union County. An inch or less of sleet and snow occurred in the Owensboro area. Another couple of inches of snow fell late Christmas eve, causing several vehicle accidents, none of which were serious

MISSOURI, Southeast

MOZ076-086>087-100-107>112-114 Perry - Bollinger - Cape Girardeau - Wayne - Carter - Ripley - Butler - Stoddard - Scott - Mississippi - New Madrid

05 0500CST 05 0200CST U

Winter Storm

A major winter storm brought significant snow and ice accumulations to all of southeast Missouri. The precipitation type ranged from mostly freezing rain near the Kentucky border to mostly snow west and north of Cape Girardeau. Ice accumulations were close to one inch in the Kentucky border counties, causing numerous power outages and downed tree limbs. Further north, places from Cape Girardeau to Poplar Bluff received several inches of snow, topped by around one half inch of ice accumulation. Eight to ten





Time Path Path Number of Estimated December 2002
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

### MISSOURI, Southeast

inches of snow fell in Wayne and Bollinger Counties, where the precipitation was almost entirely snow. Travel was heavily impacted by the winter storm. Numerous vehicle accidents occurred. In the Kentucky border area, including New Madrid, power was not fully restored for three or four days. Schools were closed for the remainder of the week. The winter storm began during the early morning hours and ended late the following night.

## **ILLINOIS, South**

ILZ088>090-092>094

Union - Johnson - Pope - Alexander - Pulaski - Massac

The storm hit during the morning commute time on a weekday, so it had a major impact on traffic. The snow fell at the rate of 1 to 2 inches per hour around the morning drive time. Many schools cancelled classes. By noon, most of the accumulating snow had ended, leaving a blanket of 3 to 4 inches in most places. Cold temperatures limited the effectiveness of salt used by road crews, and some minor blowing and drifting occurred. Temperatures were in the 20's during the snowstorm, and around 10 by the morning of the 17th. Refreezing of moisture occurred after dark, causing another round of accidents after the snow had ended. The snow was caused by a moderately strong upper level disturbance that moved east from the Plains, then across Tennessee. A weak low pressure system followed about the same path, passing just south of Missouri and Kentucky.

Some specific snowfall amounts included: 4 inches at Cairo and Mound City, and 3 inches at Anna (Union County) and Eddyville (Pope County). Only the southern tip of Illinois received these heavier snow totals. Carbondale and points north received 2 inches or less.

## **KENTUCKY**, Southwest

KYZ001>013-016>017-021>022 Fulton - Hickman - Carlisle - Ballard - Mccracken - Graves - Livingston - Marshall - Calloway - Crittenden - Lyon - Trigg - Caldwell - Hopkins - Christian - Muhlenberg - Todd

The storm hit during the morning commute time on a weekday, so it had a major impact on traffic. The snow fell at the rate of 1 to 2 inches per hour around the morning drive time. Many schools cancelled classes. By noon, most of the accumulating snow had ended, leaving a blanket of 3 to 4 inches in most places. Cold temperatures limited the effectiveness of salt used by road crews, and some minor blowing and drifting occurred. Temperatures were in the 20's during the snowstorm, and around 10 by the morning of the 17th. Refreezing of moisture occurred after dark, causing another round of accidents after the snow had ended. The snow was caused by a moderately strong upper level disturbance that moved east from the Plains, then across Tennessee. A weak low pressure system followed about the same path, passing just south of Missouri and Kentucky.

Some specific snowfall amounts included: 4 inches at Mayfield and Murray, 3.5 inches at Paducah, 3 inches at Princeton, and 2.5 inches at Hopkinsville and Benton. The Henderson and Owensboro areas, which were north of the main snow area, received just an inch or two.

### MISSOURI, Southeast

MOZ076-086>087-100-107-109>112-114 Perry - Bollinger - Cape Girardeau - Wayne - Carter - Butler - Stoddard - Scott - Mississippi - New Madrid

16 0300CST 0 0 Winter Storm 1400CST

The storm hit during the morning commute time on a weekday, so it had a major impact on traffic. The snow fell at the rate of 1 to





Time Path Path Number of Estimated January 2003
Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

### MISSOURI, Southeast

2 inches per hour around the morning drive time. Many schools cancelled classes. By noon, most of the accumulating snow had ended, leaving a blanket of 3 to 4 inches in most places. Cold temperatures limited the effectiveness of salt used by road crews, and some minor blowing and drifting occurred. Temperatures were in the 20's during the snowstorm, and around 10 by the morning of the 17th. Refreezing of moisture occurred after dark, causing another round of accidents after the snow had ended. The snow was caused by a moderately strong upper level disturbance that moved east from the Plains, then across Tennessee. A weak low pressure system followed about the same path, passing just south of Missouri and Kentucky.

Some specific snowfall totals included: 4 inches at New Madrid, 3.5 inches at Cape Girardeau, 3 inches at Sikeston, Perryville, and Van Buren, and 2 inches at Doniphan.

### **ILLINOIS, South**

ILZ075>078-080>094

Jefferson - Wayne - Edwards - Wabash - Perry - Franklin - Hamilton - White - Jackson - Williamson - Saline - Gallatin - Union - Johnson - Pope - Hardin - Alexander - Pulaski - Massac

16 0100CST 0 0 Winter Storm

A long-lasting sleet storm affected southern Illinois. The precipitation was almost all sleet south of the Marion/Carbondale area, where an inch or two was reported. Along and north of a Carbondale to Harrisburg line, there was more snow, with total accumulations of sleet and snow in the 3 to 6 inch range. Specific reports included: 6 inches at Pinckneyville in Perry County, 5.5 inches near Mount Carmel in Wabash County, 4.5 inches at West Frankfort in Franklin County, 4 inches at Carbondale, and 2.4 inches at Harrisburg in Saline County. The storm occurred on the Presidents Day weekend. Most schools and businesses scheduled to be open on Presidents Day were closed. Franklin County officials reported about 25 accidents in that county alone, none of which involved injuries.

## INDIANA, Southwest

INZ081>082-085>088

Gibson - Pike - Posey - Vanderburgh - Warrick - Spencer

15 2300CST 0 0 Winter Storm 16 1900CST

The Evansville Tri-State area received the brunt of a winter storm that began during the evening of February 15th and lasted about 24 hours. The precipitation was mainly in the form of sleet. Several inches of sleet, mixed with freezing rain and snow, resulted in major travel disruptions. Multi-vehicle pileups and highway closures were reported in Evansville near the beginning of the winter storm. A thick layer of ice caused by the compacted sleet and freezing rain mixture made travel difficult at best. The storm occurred on the Presidents Day weekend. Most schools and businesses scheduled to be open on Presidents Day were closed. The weight of the sleet caused docks at an Evansville marina to start sinking. Three covered boat houses, each holding 40 to 45 boats, were threatened. Some specific reports included: 4.3 inches at Evansville (with a liquid equivalent of 1.52 inches), 4 inches at Fort Branch in Gibson County, and 3 inches at Grandview in Spencer County.

## **KENTUCKY**, Southwest

KYZ003>008-010>011-013>016-018>020 Carlisle - Ballard - Mccracken - Graves - Livingston - Marshall - Crittenden - Lyon - Caldwell - Union - Webster - Hopkins - Henderson - Daviess - Mclean

15 2300CST 0 0 Winter Storm

The Evansville Tri-State area, including Henderson and Owensboro, received the brunt of a winter storm that began during the evening of February 15th and lasted about 24 hours. The precipitation was mainly in the form of sleet. Two to three inches of sleet, mixed with freezing rain and snow, resulted in major travel disruptions. A thick layer of ice caused by the compacted sleet and freezing rain mixture made travel difficult at best. The storm occurred on the Presidents Day weekend. Most schools and businesses





Time Path Path Number of Estimated February 2003

Local/ Length Width Persons Damage

Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

### **KENTUCKY**, Southwest

scheduled to be open on Presidents Day were closed. In Hopkins County, which includes the city of Madisonville, there were 30 weather-related traffic mishaps. The storm's effects were much less severe across the Tennessee border region of western Kentucky. Accumulations in those areas were generally an inch or less. Some specific reports included: 3 inches at Owensboro, 2 inches at Dixon in Webster County, and 1.3 inches at Paducah.

### MISSOURI, Southeast

MOZ076-086>087-111>112 Perry - Bollinger - Cape Girardeau - Scott - Mississippi

16 0300CST 0 0 Winter Storm 1400CST

A winter storm produced mainly sleet over much of southeast Missouri. One to two inches of sleet, mixed with some freezing rain and snow, was common north of the Sikeston area. The most snow was reported north of Cape Girardeau, with up to 4 inches of sleet and snow at Perryville. The most freezing rain was reported south of Cape Girardeau, with up to a quarter inch of ice glazing surfaces in Mississippi County. The storm occurred during the Presidents Day holiday weekend. Icy road conditions contributed to a fatal vehicle accident on Interstate 55 in New Madrid County that killed three people (indirect storm fatalities). A car slid across the median of the highway and slammed into a tractor trailer rig. Minutes later, also on Interstate 55 in New Madrid County, a person walking toward a disabled motorist was killed by a car that slid into him and into the disabled vehicle. The two occupants of the disabled vehicle were seriously injured. The total number of accidents was relatively low during the storm. Police attributed this partly to fewer people commuting to work or school during the holiday weekend. Even after the holiday weekend, some schools delayed or cancelled classes until roads improved. Places from Poplar Bluff to New Madrid recorded less than one haf inch of sleet.





Time Path Path Number of Estimated December 2004 Length Width Persons Damage

ocation Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Stor

#### **ILLINOIS, South**

ILZ075>078-080>094

Jefferson - Wayne - Edwards - Wabash - Perry - Franklin - Hamilton - White - Jackson - Williamson - Saline - Gallatin - Union - Johnson - Pope - Hardin - Alexander - Pulaski - Massac

22 0100CST 1 1 100K Winter Storm 23 0200CST



Photo taken near Joppa in Massac County, where an F-4 tornado occurred in May, 2003. Record-breaking snowfall prompted a state disaster declaration for much of southern Illinois. Photo courtesy of Gail Stubblefield and Beau Dodson.

A major winter storm dumped from 10 to 20 inches of snow across most of southern Illinois, clogging interstates and shutting down most businesses near the peak of the Christmas shopping season. The heaviest snowfall, from 14 to 20 inches, occurred along an axis from Anna (Union County) through Harrisburg (Saline County) to the lower Wabash Valley. Snowfall was not quite as heavy from Fairfield (in Wayne County) west across Mount Vernon to Du Quoin (Perry County), where amounts were mostly from 6 to 9 inches. On the north side of Anna in Union County, a man was killed and another man was injured when an awning on a VFW Post collapsed on them. The two men were standing under the 12-by-30 foot awning when it collapsed. The weight of the compacted snow, which fell several days earlier, caused the metal roof to totally collapse over the men. The other end of the awning remained partially standing. A crew of 15 to 20 rescuers took about 30 minutes to extricate the men. In Johnson County, the roof of a hardware store and a horse arena collapsed under the weight of the snow and ice. Portions of Interstates 57, 64, and 24 were extremely difficult to travel. Numerous abandoned vehicles and jack-knifed semis blocked portions of these highways, however, none were officially closed. Interstate 64 was closed at the Indiana state line. The near blizzard conditions stranded many interstate travelers in hotels, and some hotels on Interstates 64 and 57 were totally filled. State police took some stranded motorists to an emergency shelter at the Marion Senior Citizens Center, where at least 8 people spent the night. Gusty north winds from 15 to 25 MPH with a few gusts to 35 MPH caused blowing and drifting. The snow fell in two waves, the first during the late night and early morning, and the second from mid-afternoon through about midnight. The early morning burst produced an estimated 8 to 10 inches along an axis from Cape Girardeau, MO northeastward across Marion to Harrisburg. The second and more prolonged period of heavy snow dumped an additional 8 to 10 inches at Harrisburg. A state of emergency was declared in Gallatin and Edwards Counties, where non-essential travel was banned. There were reports of plows and other snow removal equipment stuck in drifts. Most travel, including that by police and other emergency workers, was done in four-wheel drive vehicles. Five-foot drifts in open, rural areas made roads impassable even to some off-road vehicles. Mail delivery was suspended in most areas for at least one day. For a few days, many stores were out of certain items due to delayed deliveries. A state disaster declaration was issued for those counties generally from the Marion/Carbondale area east and south, including the Wabash Valley. Those areas received more snow than is normal for the entire winter. Specific preliminary snowfall reports from co-operative observers included: 14 inches at Anna, 13 inches at Carbondale and Shawneetown, 10 inches at Cairo, and 6 inches at Mount Vernon and Dix. Recovery efforts were slowed by gusty winds and bitterly cold arctic air, as low as 10 below zero on Christmas morning.





Time Path Path Number of Estimated December 2004

Local/ Length Width Persons Damage

occation Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

### **INDIANA**, Southwest

INZ081>082-085>088

Gibson - Pike - Posey - Vanderburgh - Warrick - Spencer

22 0300CST 0 0 Winter Storm 23 0200CST



Photo of State Route 168 about two miles west of Fort Branch, IN, where 20 inches of snow fell. Drifts were up to 5 feet. Photo courtesy of Charlie Kiesel. A new 24-hour snowfall record was set at Evansville. The official storm total of 22.3 inches paralyzed southwest Indiana.

A record-setting winter storm dumped from 17 to 22 inches of snow across southwest Indiana, closing interstates and shutting down most businesses near the peak of the Christmas shopping season. A 25-mile stretch of Interstate 64 from the Illinois state line to Evansville (the Interstate 164 exit) was closed for about 48 hours. The National Guard was mobilized to assist motorists along the interstate who were stranded in their vehicles overnight. About 100 motorists were transported to emergency shelters, including dozens taken to the Red Cross building in Evansville. Drifts up to 5 feet deep made many roads impassable. States of emergency were declared in Vanderburgh, Warrick, and Gibson Counties, where drivers were urged to stay off the roads. There were reports of plows and even a Humvee disabled in ditches and deep snow drifts. Most travel, including that by police and other emergency workers, was done in four-wheel drive vehicles. Two fatalities in Evansville were indirectly attributed to the snow. In both cases, elderly men suffered fatal heart attacks while shovelling snow. Mail delivery was suspended in most areas for at least one day. Gusty north winds from 15 to 25 MPH caused blowing and drifting. There was a 3-hour lull in the snow during the early afternoon, otherwise visibility was frequently around one-quarter mile for over 24 hours. Snowfall rates averaged an inch per hour, with higher rates observed in thundersnow. The total of 22.3 inches measured at the Evansville Airport established a new 24-hour snowfall record. This single storm total resulted in the second snowiest December on record at Evansville, where records date back to 1897. Preliminary snowfall reports from co-operative observers included 18.5 inches at Boonville (Warrick County) and 16.7 inches at Stendal (Pike County). Recovery efforts were slowed by gusty winds and bitterly cold arctic air, as low as 10 below zero on Christmas morning.





Time Path Path Number of Estimated December 2004 Local/ Length Width Persons Damage

#### KENTUCKY, Southwest

KYZ001>022

Fulton - Hickman - Carlisle - Ballard - Mccracken - Graves - Livingston - Marshall - Calloway - Crittenden - Lyon - Trigg - Caldwell - Union - Webster - Hopkins - Christian - Henderson - Daviess - Mclean - Muhlenberg - Todd

22 0300CST 0 0 225K Winter Storm 23 0300CST



Collapsed greenhouses just off Interstate 24 in Paducah. The weight of a record-breaking snowfall proved too much for several structures across western Kentucky. The total snowfall of 14.2 inches at Paducah set a 24-hour snowfall record. Photo courtesy of Beau Dodson.

A record-setting winter storm dumped up to 18 inches of snow across western Kentucky, closing Interstate 24 and shutting down most businesses near the peak of the Christmas shopping season. The heaviest snowfall, from 12 to 18 inches, occurred along and north of a line from Paducah to Princeton (Caldwell County) to Greenville (Muhlenberg County). Closer to the Tennessee border, the precipitation was slower to change from sleet and freezing rain to snow, which greatly reduced snowfall amounts. From 3 to 9 inches of sleet and snow, along with up to a quarter inch of ice accumulation, was reported from Fulton and Murray, eastward across Hopkinsville, to Elkton. Where sleet and freezing rain lowered accumulations, travel conditions were no better than elsewhere. Travel was extremely difficult due to near-blizzard conditions. A 29-mile stretch of Interstate 24 was shut down in both directions after snow drifts made it impassable. The governor declared a state of emergency. The National Guard was mobilized to assist over 1,000 motorists who were stranded for as long as 24 hours along that stretch of highway, which extended from Trigg County across Caldwell and Lyon Counties. Other sections of the highway were closed for shorter periods of time. Hundreds of travelers were taken to shelters at area high schools and churches. Hotels were totally full from the Tennessee state line to the Kentucky Lake region. The gridlock on I-24 began when a semi overturned near Cadiz at mile marker 59. As vehicles waited for the wreck to be cleared, deepening snow drifts made the highway impassable, even to some plows and graders. State plowing was halted for hours in Fulton and Hickman Counties due to near blizzard conditions. Numerous vehicles were abandoned on roads across western Kentucky. Gusty north winds from 15 to 25 MPH with a few gusts to 35 MPH caused blowing and drifting of snow, with drifts up to 5 feet reported. The snow fell in two waves, the first during the early and mid morning hours, and the second from mid-afternoon through about midnight. The early morning heavy snow produced 4 inches at Paducah. The second and more prolonged period of heavy snow dumped an additional 10 inches at Paducah. The total of 14 inches set a new 24-hour snowfall record at Paducah, and it was more than the normal 10 inches for the entire winter. Most travel, including that by police and other emergency workers, was done in four-wheel drive vehicles. Five-foot drifts in open, rural areas made roads impassable even to some off-road vehicles. National Guard humvees were used for emergency purposes. Mail delivery was suspended in most areas for at least one day. The weight of the snow caused several roofs to collapse, including that of a furniture store in Paducah, a lumber company in Benton, and two commercial buildings in Owensboro. At a marina on Kentucky Lake, a 50-foot dock collapsed due to the weight of the snow and ice, damaging or destroying some of the 46 boats sheltered there. One fatality was indirectly attributed to the storm. A 64-year-old man died of a heart attack while shovelling snow at his home in the community of Folsomdale in Graves County. The Owensboro and Paducah Airports were closed for about a day. Isolated power outages occurred, primarily in areas that received the most sleet and ice, from Muhlenberg County to Christian, Todd, and Trigg Counties. Around 1,000 homes were without power in Todd County. For a few days, many stores were out of certain items due to delayed deliveries. Preliminary snow depth reports from co-operative observers included: 16 inches at Owensboro, 10 inches on the north side of Mayfield and at Dawson Springs, 6 inches at Canton (Trigg County), and 3 inches at Hopkinsville. Recovery efforts were slowed by gusty winds and bitterly cold arctic air, as low as 8 below zero on Christmas morning.





Time Local/ Length Width Persons Damage

Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm

### MISSOURI, Southeast

MOZ076-086>087-100-107>112-114 Perry - Bollinger - Cape Girardeau - Wayne - Carter - Ripley - Butler - Stoddard - Scott - Mississippi - New Madrid

22 0200CST 0 0 Winter Storm 23 0100CST

A major winter storm dumped from 6 to 14 inches of snow across most of southeast Missouri, closing interstates and shutting down most businesses near the peak of the Christmas shopping season. The axis of heaviest snowfall, from 10 to 14 inches, occurred from Poplar Bluff east to Cape Girardeau and Sikeston. South of a Sikeston to Poplar Bluff line, the precipitation was slow to change from a mixture of rain and sleet to snow, which reduced amounts there to 5 to 8 inches. In Mississippi County, which received about a foot, the sheriff department reported most of their vehicles were disabled in snow drifts. The ramps at the junction of Interstates 55 and 57 were blocked by vehicles. I-55 was reportedly closed for a time in Scott and New Madrid Counties. At least two dozen motorists were sheltered at a fire station in Portageville. Gusty north winds from 15 to 25 MPH caused blowing and drifting. The snow fell in two waves, the first during the late night and early morning hours, and the other from mid-afternoon through about midnight. The early morning burst produced an estimated 4 inches of snow at Cape Girardeau. The second and more prolonged period of heavy snow dumped an additional estimated 10 inches at Cape Girardeau. Preliminary snowfall reports from co-operative observers included: 6 inches at Doniphan and Perryville (both located on the northern and western fringe of the heavy snow shield) and 10 inches at Marble Hill. Recovery efforts were slowed by gusty winds and bitterly cold arctic air, as low as 10 below zero on Christmas morning.